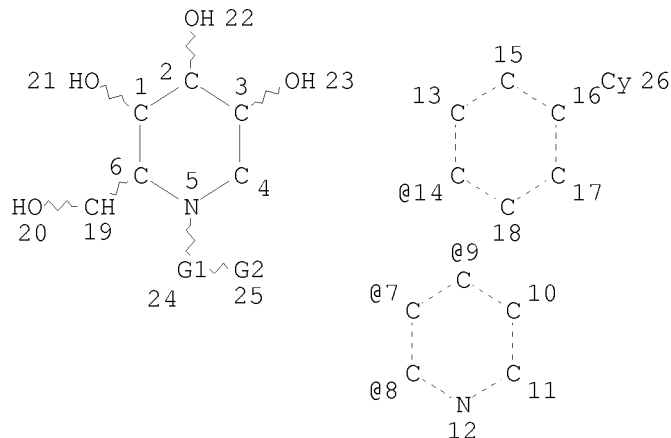


L11 HAS NO ANSWERS  
L11 STR



REP G1=(1-4) CH  
VAR G2=14/9/7/8  
NODE ATTRIBUTES:  
DEFAULT MLEVEL IS ATOM  
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
RSPEC 4 11 16  
NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

=> d his 113

(FILE 'REGISTRY' ENTERED AT 16:46:54 ON 12 NOV 2008)  
L13 70 S L11 FUL

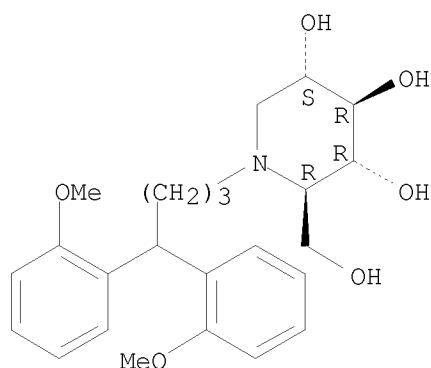
=> d his 116

(FILE 'CAPLUS' ENTERED AT 16:52:50 ON 12 NOV 2008)  
FILE 'REGISTRY' ENTERED AT 16:53:24 ON 12 NOV 2008  
L16 1 S 73244-29-8

=> d 116  
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L16 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2008 ACS on STN  
RN 73244-29-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 3,4,5-Piperidinetriol, 1-[4,4-bis(2-methoxyphenyl)butyl]-2-(hydroxymethyl)-  
, [2R-(2 $\alpha$ ,3 $\beta$ ,4 $\alpha$ ,5 $\beta$ )]- (9CI) (CA INDEX NAME)  
FS STEREOSEARCH  
MF C24 H33 N O6  
LC STN Files: BEILSTEIN\*, CA, CAPLUS, USPATFULL  
(\*File contains numerically searchable property data)

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

3 REFERENCES IN FILE CA (1907 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his 117

(FILE 'REGISTRY' ENTERED AT 16:53:24 ON 12 NOV 2008)  
L17 69 S L13 NOT L16

=> d his 118

(FILE 'CAPLUS' ENTERED AT 16:53:43 ON 12 NOV 2008)  
L18 27 S L17

FILE 'STNGUIDE' ENTERED AT 17:01:18 ON 12 NOV 2008

FILE 'REGISTRY' ENTERED AT 17:04:36 ON 12 NOV 2008

FILE 'STNGUIDE' ENTERED AT 17:04:36 ON 12 NOV 2008

=> d bib 1-27

YOU HAVE REQUESTED DATA FROM FILE 'CAPLUS' - CONTINUE? (Y)/N:y

L18 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 2008:720125 CAPLUS  
DN 149:104947  
TI 1-Deoxynojirimycin(DNJ) derivatives, their preparation and application  
IN Liu, Hongmin; Zhang, Hongyu; Zhao, Yufen  
PA Zhengzhou University, Peop. Rep. China  
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 9pp.  
CODEN: CNXXEV

DT Patent  
LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 101195602	A	20080611	CN 2007-10300062	20071225
PRAI	CN 2007-10300062		20071225		

L18 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2005:673262 CAPLUS  
 DN 143:153648  
 TI Preparation of piperidine imino sugar derivatives as glucosylceramide  
 synthase (GCS) inhibitors  
 IN Scopes, David Ian Carter; Orchard, Michael Glen  
 PA Celltech R & D Limited, UK  
 SO PCT Int. Appl., 23 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005068426	A1	20050728	WO 2005-GB71	20050111
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2005205221	A1	20050728	AU 2005-205221	20050111
	CA 2552550	A1	20050728	CA 2005-2552550	20050111
	EP 1709000	A1	20061011	EP 2005-701841	20050111
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
	CN 1910150	A	20070207	CN 2005-80002309	20050111
	BR 2005006843	A	20070612	BR 2005-6843	20050111
	JP 2007517846	T	20070705	JP 2006-548389	20050111
	US 20080234324	A1	20080925	US 2006-586188	20060714
PRAI	GB 2004-812	A	20040114		
	WO 2005-GB71	W	20050111		

OS CASREACT 143:153648; MARPAT 143:153648  
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2004:60472 CAPLUS  
 DN 140:94233  
 TI Preparation of aza-sugar piperidinetriol derivatives as antiviral and  
 antitumor agents and inhibitors of glycosylceramide synthase  
 IN Ali, Mezher Hussein; Orchard, Michael Glen  
 PA Oxford Glycosciences (UK) Ltd., UK  
 SO PCT Int. Appl., 31 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004007454	A1	20040122	WO 2003-GB3244	20030717
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,				

PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,  
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,  
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,  
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2492410 A1 20040122 CA 2003-2492410 20030717  
 AU 2003248960 A1 20040202 AU 2003-248960 20030717  
 EP 1554245 A1 20050720 EP 2003-764031 20030717  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

JP 2005536506 T 20051202 JP 2004-520913 20030717  
 US 20060111400 A1 20060525 US 2005-522207 20051027

PRAI GB 2002-16656 A 20020717  
 GB 2003-1480 A 20030122  
 GB 2003-13674 A 20030613  
 WO 2003-GB3244 W 20030717

OS MARPAT 140:94233  
 RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 4 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2004:60471 CAPLUS  
 DN 140:94232  
 TI Preparation of aza-sugar piperidinetriol derivatives as antiviral and  
 antitumor agents and inhibitors of glycosylceramide synthase  
 IN Ali, Mezher Hussein; Orchard, Michael Glen  
 PA Oxford Glycosciences (UK) Ltd., UK  
 SO PCT Int. Appl., 44 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004007453	A1	20040122	WO 2003-GB3099	20030717
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2492404	A1	20040122	CA 2003-2492404	20030717
AU 2003246942	A1	20040202	AU 2003-246942	20030717
EP 1534676	A1	20050601	EP 2003-764025	20030717
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2005536503	T	20051202	JP 2004-520900	20030717
US 20060058349	A1	20060316	US 2005-522208	20051027
PRAI GB 2002-16656	A	20020717		
GB 2003-1480	A	20030122		
GB 2003-13679	A	20030613		
WO 2003-GB3099	W	20030717		

OS MARPAT 140:94232  
 RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2001:31518 CAPLUS  
 DN 134:116186  
 TI Preparation, enzymic stability, and acute toxicity of six-membered aza sugar-containing antisense oligodeoxyribonucleotide duplexes  
 IN Jung, Kyeong-Eun; Yang, Mirim; Lee, Kwangjun; Kim, Kichul; Lim, Hong  
 PA Dongbu Hannong Chemical Co., Ltd., S. Korea  
 SO PCT Int. Appl., 136 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001002417	A1	20010111	WO 2000-KR713	20000703
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	KR 2001008898	A	20010205	KR 1999-26947	19990705
	KR 2002022734	A	20020327	KR 2001-716862	20011228
PRAI	KR 1999-26947	A	19990705		

OS MARPAT 134:116186  
 RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 6 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 2000:9741 CAPLUS  
 DN 132:180817  
 TI Synthesis and hybridization properties of oligonucleotides containing 6-membered aza sugar nucleotides  
 AU Jung, Kyeong-Eun; Kim, Kichul; Yang, Mirim; Lee, Kwangjun; Lim, Hong  
 CS Dongbu Research Council, AgroPharma Research Institute, Taejon, 305-380, S. Korea  
 SO Bioorganic & Medicinal Chemistry Letters (1999), 9(24), 3407-3410  
 CODEN: BMCLE8; ISSN: 0960-894X  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English

RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 7 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1999:310753 CAPLUS  
 DN 131:111386  
 TI Isotope edited NMR studies of glycosidases: design and synthesis of a novel glycosidase inhibitor  
 AU Hines, Jennifer V.; Chang, Heesun; Gerdeman, Melinda S.; Warn, Dana E.  
 CS Division of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, Ohio State University, Columbus, OH, 43210, USA  
 SO Bioorganic & Medicinal Chemistry Letters (1999), 9(9), 1255-1260  
 CODEN: BMCLE8; ISSN: 0960-894X  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English

RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1997:166648 CAPLUS  
 DN 126:264276  
 OREF 126:51189a,51192a  
 TI Rare and complex saccharides from D-galactose and other milk derived carbohydrates. 7. Double reductive amination of L-arabino-hexos-5-uloses: a diastereoselective approach to 1-deoxy-D-galactostatin derivatives  
 AU Barili, Pier Luigi; Berti, Giancarlo; Catelani, Giorgio; D'Andrea, Felicia; De Rensis, Francesco; Puccioni, Leonardo  
 CS Dip. Chim. Bioorg., Univ. Pisa, Pisa, I-56126, Italy  
 SO Tetrahedron (1997), 53(9), 3407-3416  
 CODEN: TETRAB; ISSN: 0040-4020  
 PB Elsevier  
 DT Journal  
 LA English  
 OS CASREACT 126:264276  
 RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1994:656177 CAPLUS  
 DN 121:256177  
 OREF 121:46783a,46786a  
 TI Expeditious Synthesis of Aza sugars by the Double Reductive Amination of Dicarboxyl Sugars  
 AU Baxter, Ellen W.; Reitz, Allen B.  
 CS Medicinal Chemistry Department, R. W. Johnson Pharmaceutical Research Institute, Spring House, PA, 19477, USA  
 SO Journal of Organic Chemistry (1994), 59(11), 3175-85  
 CODEN: JOCEAH; ISSN: 0022-3263  
 DT Journal  
 LA English  
 OS CASREACT 121:256177

L18 ANSWER 10 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1993:539639 CAPLUS  
 DN 119:139639  
 OREF 119:25071a,25074a  
 TI Concise synthesis of 1-deoxymannojirimycin  
 AU Baxter, Ellen W.; Reitz, Allen B.  
 CS Medicine. Chem. Dep., R. W. Johnson Pharm. Res. Inst., Spring House, PA, 19477, USA  
 SO Bioorganic & Medicinal Chemistry Letters (1992), 2(11), 1419-22  
 CODEN: BMCLE8; ISSN: 0960-894X  
 DT Journal  
 LA English  
 OS CASREACT 119:139639

L18 ANSWER 11 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1993:255260 CAPLUS  
 DN 118:255260  
 OREF 118:44381a,44384a  
 TI Preparation of pyrrolidine and piperidine amino sugars as drugs  
 IN Reitz, Allen; Baxter, Ellen  
 PA McNeilab, Inc., USA  
 SO PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9205152	A1	19920402	WO 1991-US6648	19910916
	WO 9205152	A3	19920514		
	W: AU, BG, BR, CA, FI, HU, JP, NO, RO, SU				
	RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	US 5290948	A	19940301	US 1990-583615	19900917
	AU 9187255	A	19920415	AU 1991-87255	19910916
	EP 505540	A1	19920930	EP 1991-917873	19910916
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
PRAI	US 1990-583615	A	19900917		
	WO 1991-US6648	A	19910916		
OS	MARPAT 118:255260				

L18 ANSWER 12 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1992:236093 CAPLUS

DN 116:236093

OREF 116:40021a,40024a

TI Preparation of 1-deoxygalactostatin derivatives as  $\beta$ -galactosidase inhibitors

IN Ezure, Yohji; Maruo, Shigeaki; Miyazaki, Katsunori; Yamada, Naoyoshi

PA Nippon Shinyaku Co., Ltd., Japan

SO PCT Int. Appl., 34 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9200277	A1	19920109	WO 1991-JP866	19910627
	W: CA, JP, NO, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	CA 2086413	A1	19911230	CA 1991-2086413	19910627
	EP 536402	A1	19930414	EP 1991-911965	19910627
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
PRAI	JP 1990-173629	A	19900629		
	JP 1991-35546	A	19910204		
	WO 1991-JP866	W	19910627		
OS	MARPAT 116:236093				

L18 ANSWER 13 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1991:566624 CAPLUS

DN 115:166624

OREF 115:28359a,28362a

TI Antiviral drug formulations containing moranoline derivatives

IN Yoshikuni, Yoshiaki; Nakane, Masayuki

PA Nippon Shinyaku Co., Ltd., Japan

SO PCT Int. Appl., 38 pp.

CODEN: PIXXD2

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9103242	A1	19910321	WO 1990-JP1141	19900906
	W: CA, JP, KR, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, IT, LU, NL, SE				
	CA 2065446	A1	19910308	CA 1990-2065446	19900906
	EP 491041	A1	19920624	EP 1990-913255	19900906

R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE  
 PRAI JP 1989-232135 A 19890907  
 JP 1990-120422 A 19900510  
 WO 1990-JP1141 W 19900906  
 OS MARPAT 115:166624

L18 ANSWER 14 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1991:185939 CAPLUS  
 DN 114:185939  
 OREF 114:31427a  
 TI Preparation of N-substituted 1-deoxynojirimycins as tumor metastasis inhibitors.  
 IN Kurihara, Hiroshi; Yoshida, Seishi; Tsuruoka, Tsutomu; Tsuruoka, Takashi; Yamamoto, Haruo; Fukuyasu, Shunkai  
 PA Meiji Seika Kaisha, Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 12 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 02306962	A	19901220	JP 1989-127499	19890519
PRAI	JP 1989-127499		19890519		
OS	CASREACT 114:185939; MARPAT 114:185939				

L18 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1991:102632 CAPLUS  
 DN 114:102632  
 OREF 114:17509a,17512a  
 TI Pyrrolidine and piperidine amino sugars from dicarbonyl sugars in one step. Concise synthesis of 1-deoxynojirimycin  
 AU Reitz, Allen B.; Baxter, Ellen W.  
 CS Chem. Res. Dep., Janssen Res. Found., Spring House, PA, 19477, USA  
 SO Tetrahedron Letters (1990), 31(47), 6777-80  
 CODEN: TELEAY; ISSN: 0040-4039  
 DT Journal  
 LA English  
 OS CASREACT 114:102632

L18 ANSWER 16 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN  
 AN 1990:526581 CAPLUS  
 DN 113:126581  
 OREF 113:21313a,21316a  
 TI Use of 2-hydroxymethyl-3,4,5-trihydroxypiperidines as antiviral agents  
 IN Boeshagen, Horst; Junge, Bodo; Kinast, Guenther; Schueller, Matthias; Stoltefuss, Juergen; Paessens, Arnold  
 PA Bayer A.-G., Fed. Rep. Ger.  
 SO Eur. Pat. Appl., 18 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 315017	A2	19890510	EP 1988-117701	19881025
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, NL, SE				
	DE 3737523	A1	19890518	DE 1987-3737523	19871105
	US 5051407	A	19910924	US 1988-259932	19881019
	JP 01151593	A	19890614	JP 1988-273377	19881031
PRAI	DE 1987-3737523	A	19871105		



OS MARPAT 113:126581

L18 ANSWER 17 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1990:491446 CAPLUS

DN 113:91446

OREF 113:15223a,15226a

TI Preparation of N-substituted 1-deoxynojirimycins as drugs for AIDS treatment

IN Yamamoto, Haruo; Tsuruoka, Takashi; Yoshida, Kiyoshi; Inouye, Shigeharu; Shimizu, Hiroyuki; Kitamura, Takashi

PA Meiji Seika Kaisha, Ltd., Japan; National Institutes of Health

SO Eur. Pat. Appl., 12 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 350012	A2	19900110	EP 1989-112284	19890705
	EP 350012	A3	19900905		
	R: BE, DE, ES, FR, GB, IT, NL, SE				
	JP 02131425	A	19900521	JP 1989-176373	19890708
PRAI	JP 1988-171376	A	19880708		
OS	MARPAT 113:91446				

L18 ANSWER 18 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1990:172331 CAPLUS

DN 112:172331

OREF 112:28907a,28910a

TI Moranoline derivatives as thrombolytics

IN Yoshikuni, Yoshiaki; Ojima, Nobutoshi; Mori, Kazuya

PA Nippon Shinyaku Co., Ltd., Japan

SO Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	EP 319986	A2	19890614	EP 1988-120564	19881208
	EP 319986	A3	19920930		
	EP 319986	B1	19970312		
	R: AT, DE, IT, NL				
	GB 2213374	A	19890816	GB 1988-27927	19881130
	GB 2213374	B	19920129		
	IL 88573	A	19940530	IL 1988-88573	19881204
	JP 01250350	A	19891005	JP 1988-308548	19881206
	JP 07051505	B	19950605		
	FR 2626470	A1	19890804	FR 1988-16071	19881207
	FR 2626470	B1	19941209		
	CH 677610	A5	19910614	CH 1988-4527	19881207
	SE 8804436	A	19890610	SE 1988-4436	19881208
	SE 502110	C2	19950821		
	BE 1004874	A4	19930216	BE 1988-1375	19881208
	AT 149836	T	19970315	AT 1988-120564	19881208
	CA 1316831	C	19930427	CA 1988-585530	19881209
	US 5192772	A	19930309	US 1991-747454	19910812
	US 5292750	A	19940308	US 1992-941792	19920908
PRAI	JP 1987-311348	A	19871209		
	US 1988-281495	B1	19881208		
	US 1991-747454	A3	19910812		

OS MARPAT 112:172331

L18 ANSWER 19 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1989:128079 CAPLUS

DN 110:128079

OREF 110:20943a,20946a

TI Inhibition of intestinal  $\alpha$ -glucosidase and postprandial hyperglycemia by N-substituted moranoline derivatives [Erratum to document cited in CA109(15):121981y]

AU Yoshikuni, Yoshiaki; Ezure, Yohji; Aoyagi, Yoshiaki; Enomoto, Hiroshi

CS Res. Lab., Nippon Shinyaku Co., Ltd., Kyoto, 601, Japan

SO Journal of Pharmacobio-Dynamics (1988), 11(12), 849

CODEN: JOPHDQ; ISSN: 0386-846X

DT Journal

LA English

L18 ANSWER 20 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1988:521981 CAPLUS

DN 109:121981

OREF 109:20139a,20142a

TI Inhibition of intestinal  $\alpha$ -glucosidase and postprandial hyperglycemia by N-substituted moranoline derivatives

AU Yoshikuni, Yoshiaki; Ezure, Yohji; Aoyagi, Yoshiaki; Enomoto, Hiroshi

CS Res. Lab., Nippon Shinyaku Co., Ltd., Kyoto, 601, Japan

SO Journal of Pharmacobio-Dynamics (1988), 11(5), 356-62

CODEN: JOPHDQ; ISSN: 0386-846X

DT Journal

LA English

L18 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1984:530030 CAPLUS

DN 101:130030

OREF 101:19773a,19776a

TI Comparison of 'soft ionization' techniques with electron impact mass spectrometry for desoxinojirimycin and folic acid derivatives

AU Wuensche, C.; Benninghoven, A.; Eicke, A.; Heinen, H. J.; Ritter, H. P.; Taylor, L. C. E.; Veith, J.

CS Bayer A.-G., Wuppertal, D5600, Fed. Rep. Ger.

SO Organic Mass Spectrometry (1984), 19(4), 176-82

CODEN: ORMSBG; ISSN: 0030-493X

DT Journal

LA English

L18 ANSWER 22 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1982:563421 CAPLUS

DN 97:163421

OREF 97:27273a,27276a

TI Bispiperidine compounds

IN Matsumura, Shingo; Enomoto, Hiroshi; Aoyagi, Yoshiaki; Yoshikuni, Yoshiaki; Yagi, Masahiro; Kura, Kohei; Shirahase, Ichiro

PA Nippon Shinyaku Co., Ltd., Japan

SO U.S., 4 pp. Cont.-in-part of U.S. Ser. No. 229,278, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 4336373	A	19820622	US 1981-247885	19810326
	JP 56108767	A	19810828	JP 1980-9173	19800128
	JP 63012063	B	19880317		

PRAI JP 1980-9173 A 19800128  
US 1981-229278 A2 19810128  
OS MARPAT 97:163421

L18 ANSWER 23 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1982:563420 CAPLUS

DN 97:163420

OREF 97:27273a,27276a

TI Quaternary ammonium-substituted N-cinnamylpiperidines

IN Matsumura, Shingo; Enomoto, Hiroshi; Aoyagi, Yoshiaki; Yoshikuni, Yoshiaki; Yagi, Masahiro; Kura, Kohei; Shirahase, Ichiro

PA Nippon Shinyaku Co., Ltd. , Japan

SO U.S., 5 pp. Cont.-in-part of U.S. Ser. No. 229,277, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 4336374	A	19820622	US 1981-247884	19810326
	JP 56108768	A	19810828	JP 1980-9174	19800128
	JP 63012064	B	19880317		
PRAI	JP 1980-9174	A	19800128		
	US 1981-229277	A2	19810128		
OS	MARPAT 97:163420				

L18 ANSWER 24 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1982:163114 CAPLUS

DN 96:163114

OREF 96:26875a,26878a

TI Cinnamyl moranoline derivatives

IN Matsumura, Shingo; Enomoto, Hiroshi; Aoyagi, Yoshiaki; Yoshikuni, Yoshiaki; Yagi, Masahiro; Kura, Kohei; Shirahase, Ichiro

PA Nippon Shinyaku Co., Ltd., Japan

SO Brit. UK Pat. Appl., 7 pp.

CODEN: BAXXDU

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	GB 2067990	A	19810805	GB 1981-186	19810106
	GB 2067990	B	19840725		
	JP 56108768	A	19810828	JP 1980-9174	19800128
	JP 63012064	B	19880317		
	FR 2478094	A1	19810918	FR 1981-1519	19810127
	FR 2478094	B1	19830909		
	DE 3102768	A1	19820107	DE 1981-3102768	19810128
	CH 643831	A5	19840629	CH 1981-546	19810128
PRAI	JP 1980-9174	A	19800128		

L18 ANSWER 25 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1982:117597 CAPLUS

DN 96:117597

OREF 96:19243a,19246a

TI Herbicidal composition containing piperidine derivatives

IN Berg, Dieter; Junge, Bodo; Stoltefuss, Juergen; Schmidt, Robert Rudolf

PA Bayer A.-G. , Fed. Rep. Ger.

SO Ger. Offen., 30 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 3024901	A1	19820128	DE 1980-3024901	19800701
PRAI	DE 1980-3024901	A	19800701		
OS	CASREACT 96:117597				

L18 ANSWER 26 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1982:35614 CAPLUS

DN 96:35614

OREF 96:5901a,5904a

TI Bis(moranoline) derivatives and their use for inhibiting an increase in blood sugar

IN Matsumura, Shingo; Enomoto, Hiroshi; Aoyagi, Yoshiaki; Yoshikuni, Yoshiaki; Yagi, Masahiro; Kura, Kohei; Shiharase, Ichiro

PA Nippon Shinyaku Co., Ltd. , Japan

SO Fr. Demande, 10 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	FR 2474498	A1	19810731	FR 1981-1520	19810127
	FR 2474498	B1	19860926		
	JP 56108767	A	19810828	JP 1980-9173	19800128
	JP 63012063	B	19880317		
	GB 2067989	A	19810805	GB 1981-185	19810106
	GB 2067989	B	19840125		
	CH 643830	A5	19840629	CH 1981-514	19810127
	DE 3102769	A1	19820204	DE 1981-3102769	19810128
PRAI	JP 1980-9173	A	19800128		

L18 ANSWER 27 OF 27 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1981:425527 CAPLUS

DN 95:25527

OREF 95:4471a,4474a

TI 3,4,5-Trihydroxypiperidine derivatives and their use as pharmaceuticals or in animal feeds

IN Boeshagen, Horst; Junge, Bodo; Stoltefuss, Juergen; Schmidt, Delf; Krause, Hans Peter; Puls, Walter

PA Bayer A.-G., Fed. Rep. Ger.

SO Ger. Offen., 64 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 2922760	A1	19801211	DE 1979-2922760	19790605
	AU 8058525	A	19801211	AU 1980-58525	19800519
	AU 539847	B2	19841018		
	NO 8001553	A	19801208	NO 1980-1553	19800523
	EP 19899	A1	19801210	EP 1980-102943	19800527
	EP 19899	B1	19840718		
	R: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE				
	AT 8500	T	19840815	AT 1980-102943	19800527
	SU 1017168	A3	19830507	SU 1980-2926999	19800528
	IL 60210	A	19831130	IL 1980-60210	19800602
	FI 8001787	A	19801206	FI 1980-1787	19800603

JP	55164676	A	19801222	JP	1980-73815	19800603
JP	01000949	B	19890110			
CA	1146558	A1	19830517	CA	1980-353274	19800603
DK	8002432	A	19801206	DK	1980-2432	19800604
ZA	8003330	A	19810624	ZA	1980-3330	19800604
HU	24849	A2	19830428	HU	1980-1408	19800604
HU	182143	B	19831228			
SU	1050563	A3	19831023	SU	1981-3280253	19810507
US	4465684	A	19840814	US	1981-323153	19811120
DK	8402852	A	19840608	DK	1984-2852	19840608
NO	8502778	A	19801208	NO	1985-2778	19850710
DK	8603653	A	19860731	DK	1986-3653	19860731
DK	8603654	A	19860731	DK	1986-3654	19860731
DK	158981	B	19900813			
DK	158981	C	19910107			
DK	8603655	A	19860731	DK	1986-3655	19860731
DK	157922	B	19900305			
DK	157922	C	19900820			
PRAI	DE 1979-2922760	A	19790605			
	EP 1980-102943	A	19800527			
	US 1980-153286	A1	19800527			
	DK 1980-2432	A	19800604			
OS	MARPAT 95:25527					